

10.698422

RECORDING MEDIUM

AND

APPARATUS AND METHOD FOR MANUFACTURING THE SAME

MDS
10-2-06

This application is a DIV of 09/893,731 06/27/2001 PAT 6,679,430

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates to a recording medium, such as an optical disk or optical card and an apparatus and method for manufacturing the recording medium.

2. Description of the Related Art

Recordable recording media, particularly a write once DVD-R (Digital Versatile Disc-Recordable) and rewritable DVD-RW (Digital Versatile Disc-Re-recordable) (hereinafter those media will be generically called DVDs) have already been manufactured. Previously recorded on a DVD are address information needed to look for a target position at the time of recording data, such as image information, and rotation control information, such as a wobbling signal, which is used in controlling the rotation of a disk. (Hereinafter, those information will be generically called pre information.)

The rotation control information is recorded by previously wobbling data-recording tracks (groove tracks or land tracks) to a waveform of a given amplitude at a predetermined frequency (wobbling frequency) in the preformat phase at the time of manufacture.

At the time of actually recording data on a DVD, therefore, the wobbling frequency of the wobbled tracks is detected, a